

THAT WHICH IS CLAIMED:

1. A preconnectorized outdoor cable comprising:

at least two strength components having respective tensile
5 strength ratings, an optical transmission component, and at least
one tensile strength member having a tensile strength rating
disposed generally adjacent to at least one of the strength
components, the strength member and one of the strength
components defining a tensile strength rating ratio of about 0.1
10 to about 0.3, and a cable jacket generally surrounding the at
least two strength components, the optical transmission
component, and the at least one tensile strength member; and

at least one plug connector, the at least one plug connector
being attached to an end of the cable, thereby connectorizing an
15 optical waveguide, the optical waveguide being a portion of the
optical transmission component.

2. The preconnectorized outdoor cable of claim 1, the at least
one plug connector comprising a crimp assembly and a connector
20 assembly, wherein the crimp assembly includes a crimp housing and
a crimp band and the connector assembly includes a connector
housing and a ferrule.

3. The preconnectorized outdoor cable of claim 2, wherein the
25 crimp housing comprises two half-shells, the two half-shells
having a longitudinal passageway therethrough and at least one
cable clamping portion, the at least one cable clamping portion
securing at least one strength component of the cable, and the
two half-shells being held together by the crimp band.

30

4. The preconnectorized outdoor cable of claim 3, the at least
one cable clamping portion securing the at least two strength
components of the cable.

5. The preconnectorized outdoor cable of claim 3, one of the half-shells having at least one rib for securing the at least one strength component.

5 6. The preconnectorized outdoor cable of claim 2, wherein the crimp housing comprises two half-shells, the two half-shells having a longitudinal passageway therethrough, at least one cable clamping portion, and a connector assembly clamping portion, the at least one cable clamping portion securing at least one
10 strength component of the cable and the connector assembly clamping portion securing a portion of the connector assembly, the two half-shells being held together by the crimp band.

7. The preconnectorized outdoor cable of claim 1, the at least
15 one plug connector further comprising a shroud having a first end and a second end, and a coupling nut.

8. The preconnectorized outdoor cable of claim 7, the shroud defining a pair of openings on opposite sides of the first end, the opening extending lengthwise from a medial portion of the
20 shroud to the first end of the shroud, wherein the ferrule is accessible within the first end of the shroud.

9. The preconnectorized outdoor cable of claim 7, further
25 comprising a heat shrink tube for weatherproofing the preconnectorized outdoor cable, the heat shrink tube being disposed about the second end of the shroud and a portion of the cable jacket.

30 10. The preconnectorized outdoor cable of claim 7, further comprising an O-ring disposed on the shroud for weatherproofing the at least one plug connector.

11. The preconnectorized outdoor cable of claim 1, the at least one plug connector further comprising a shroud having a first end and a second end, wherein the shroud has at least one alignment indicia for indicating a mating orientation.

5

12. The preconnectorized outdoor cable of claim 1, the at least one plug connector further comprising a shroud having a first end and a second end, the shroud has a plurality of fingers for mating with a complementary receptacle, wherein at least two of
10 the fingers have different profiles for keying the plug connector with the complementary receptacle.

13. The preconnectorized outdoor cable of claim 1, further comprising a heat shrink tube for weatherproofing the
15 preconnectorized outdoor cable, the heat shrink tube being disposed over a portion of the at least one plug connector and a portion of the cable jacket.

14. The preconnectorized outdoor cable of claim 1, the at least
20 one plug connector having a protective cap and a retention wire, wherein the protective cap is attached to the at least one plug connector by a retention wire.

15. The preconnectorized outdoor cable of claim 1, a plurality
25 of the components of the at least one plug connector being formed from a UV stabilized material.

16. The preconnectorized outdoor cable of claim 1, the cable having two plug connectors.

30

17. The preconnectorized outdoor cable of claim 1, the optical transmission component further comprising a dry insert.

18. A preconnectorized outdoor cable, comprising:

an optical transmission component;

at least two strength components, the at least two strength components disposed on opposite sides of the optical transmission component;

5 a plurality of tensile strength members, the plurality of tensile strength members being generally arranged about the optical transmission component and generally contacting the optical transmission component, the plurality of tensile strength members being fibrous tensile strength members that essentially
10 lack anti-buckling strength;

a cable jacket, the cable jacket contacting at least a portion of the optical transmission component; and

at least one plug connector, the at least one plug connector being attached to an end of the cable, thereby connectorizing an
15 optical waveguide, the optical waveguide being a portion of the optical transmission component.

19. The preconnectorized outdoor cable of claim 18, the at least one plug connector further comprising a crimp assembly and a
20 connector assembly, wherein the crimp assembly includes a crimp housing and a crimp band and the connector assembly includes a connector housing and a ferrule, wherein the crimp housing comprises two half-shells, the two half-shells having a longitudinal passageway therethrough and at least one cable
25 clamping portion, the at least one cable clamping portion securing at least one strength component of the cable, and the two half-shells being held together by the crimp band.

20. The preconnectorized outdoor cable of claim 18, the at least
30 one plug connector further comprising a crimp assembly and a connector assembly, wherein the crimp assembly includes a crimp housing and a crimp band wherein the crimp housing comprises two half-shells, the two half-shells having a longitudinal passageway therethrough, at least one cable clamping portion, and a

connector assembly clamping portion, the at least one cable clamping portion securing at least one strength component of the cable and the connector assembly clamping portion securing a portion of the connector assembly, and the two half-shells being
5 held together by the crimp band.

21. The preconnectorized outdoor cable of claim 18, the at least one plug connector further comprising a shroud having a first end and a second end, and a coupling nut.

10 22. The preconnectorized outdoor cable of claim 21, the shroud defining a pair of openings on opposite sides of the first end, the opening extending lengthwise from a medial portion of the shroud to the first end of the shroud, wherein the ferrule is
15 accessible within the first end of the shroud.

23. The preconnectorized outdoor cable of claim 21, further comprising a heat shrink tube for weatherproofing the preconnectorized outdoor cable, the heat shrink tube being
20 disposed about the second end of the shroud and a portion of the cable jacket.

24. The preconnectorized outdoor cable of claim 21, further comprising an O-ring disposed on the shroud for weatherproofing
25 the at least one plug connector.

25. The preconnectorized outdoor cable of claim 18, the at least one plug connector further comprising a shroud having a first end and a second end, wherein the shroud has at least one alignment
30 indicia for indicating a mating orientation.

26. The preconnectorized outdoor cable of claim 18, the at least one plug connector further comprising a shroud having a first end and a second end, the shroud has a plurality of fingers for

mating with a complementary receptacle, wherein at least two of the fingers have different profiles for keying the plug connector with the complementary receptacle.

5 27. The preconnectorized outdoor cable of claim 18, further comprising a heat shrink tube for weatherproofing the preconnectorized outdoor cable, the heat shrink tube being disposed over a portion of the at least one plug connector and a portion of the cable jacket.

10

28. The preconnectorized outdoor cable of claim 18, the at least one plug connector having a protective cap and a retention wire, wherein the protective cap is attached to the at least one plug connector by a retention wire.

15

29. The preconnectorized outdoor cable of claim 18, a plurality of the components of the at least one plug connector being formed from a UV stabilized material.

20

30. The preconnectorized outdoor cable of claim 18, the cable having two plug connectors.

31. The preconnectorized outdoor cable of claim 18, the optical transmission component further comprising a dry insert.

25

32. A preconnectorized outdoor cable, comprising:
an optical transmission component;

at least two strength components, the at least two strength components are disposed on opposite sides of the optical transmission component, the at least two strength components generally contact the optical transmission component;

30

a plurality of tensile strength members, the plurality of tensile strength members generally contact the optical transmission component, the plurality of tensile strength members

being fibrous tensile strength members that essentially lack anti-buckling strength;

a cable jacket, the cable jacket contacts at least a portion of the optical transmission component; and

5 at least one plug connector, the at least one plug connector being attached to an end of the cable, thereby connectorizing an optical waveguide, the optical waveguide being a portion of the optical transmission component.

10 33. The preconnectorized outdoor cable of claim 32, the at least one plug connector further comprising a crimp assembly and a connector assembly, wherein the crimp assembly includes a crimp housing and a crimp band and the connector assembly includes a connector housing and a ferrule, wherein the crimp housing
15 comprises two half-shells, the two half-shells having a longitudinal passageway therethrough and at least one cable clamping portion, the at least one cable clamping portion securing at least one strength component of the cable, and the two half-shells being held together by the crimp band.

20 34. The preconnectorized outdoor cable of claim 32, the at least one plug connector further comprising a crimp assembly and a connector assembly, wherein the crimp assembly includes a crimp housing and a crimp band wherein the crimp housing comprises two
25 half-shells, the two half-shells having a longitudinal passageway therethrough, at least one cable clamping portion, and a connector assembly clamping portion, the at least one cable clamping portion securing at least one strength component of the cable and the connector assembly clamping portion securing a
30 portion of the connector assembly, and the two half-shells being held together by the crimp band.

35. The preconnectorized outdoor cable of claim 32, the at least one plug connector further comprising a shroud having a first end and a second end, and a coupling nut.

5 36. The preconnectorized outdoor cable of claim 35, the shroud defining a pair of openings on opposite sides of the first end, the opening extending lengthwise from a medial portion of the shroud to the first end of the shroud, wherein the ferrule is accessible within the first end of the shroud.

10

37. The preconnectorized outdoor cable of claim 35, further comprising a heat shrink tube for weatherproofing the preconnectorized outdoor cable, the heat shrink tube being disposed about the second end of the shroud and a portion of the
15 cable jacket.

38. The preconnectorized outdoor cable of claim 35, further comprising an O-ring disposed on the shroud for weatherproofing the at least one plug connector.

20

39. The preconnectorized outdoor cable of claim 32, the at least one plug connector further comprising a shroud having a first end and a second end, wherein the shroud has at least one alignment indicia for indicating a mating orientation.

25

40. The preconnectorized outdoor cable of claim 32, the at least one plug connector further comprising a shroud having a first end and a second end, the shroud has a plurality of fingers for mating with a complementary receptacle, wherein at least two of
30 the fingers have different profiles for keying the plug connector with the complementary receptacle.

41. The preconnectorized outdoor cable of claim 32, further comprising a heat shrink tube for weatherproofing the

preconnectorized outdoor cable, the heat shrink tube being disposed over a portion of the at least one plug connector and a portion of the cable jacket.

5 42. The preconnectorized outdoor cable of claim 32, the at least one plug connector having a protective cap and a retention wire, wherein the protective cap is attached to the at least one plug connector by a retention wire.

10 43. The preconnectorized outdoor cable of claim 32, a plurality of the components of the at least one plug connector being formed from a UV stabilized material.

44. The preconnectorized outdoor cable of claim 32, the cable
15 having two plug connectors.

45. The preconnectorized outdoor cable of claim 32, the optical transmission component further comprising a dry insert.